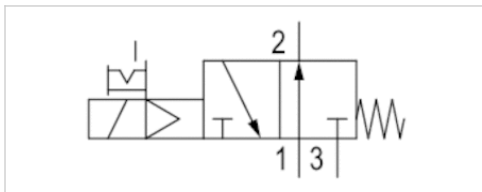


# 3/2-directional valve, Series 579








- NO
- Qn = 600 l/min
- Pipe connection
- Compressed air connection output Ø 8x1
- Electrical connection Plug, ISO 15217, form C
- Manual override with detent



Type	Poppet valve
Activation	Electrically
Pilot	Internal
Sealing principle	Soft sealing
Working pressure min./max.	2 ... 8 bar
Ambient temperature min./max.	-15 ... 50 °C
Medium temperature min./max.	-15 ... 50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	600 l/min
Protection class with connection	IP65
Reverse polarity protection	Protected against polarity reversal
Duty cycle	100 %
Typ. switch-on time	18 ms
Typ. switch-off time	16 ms
Weight	0,093 kg

## Technical data

Part No.	MO		Type
5790610210		NO	Inlet valve
5790615220		NO	Inlet valve
5790610220		NO	Inlet valve
5790610620		NO	Inlet valve
5790615270		NO	Inlet valve
5790615280		NO	Inlet valve
5790615680		NO	Inlet valve
5791610210		NO	Stacking valve
5791610220		NO	Stacking valve
5791610620		NO	Stacking valve
5791615220		NO	Stacking valve
5791615270		NO	Stacking valve
5791615280		NO	Stacking valve
5791615680		NO	Stacking valve
5796610210		NO	Stacking valve, additional pressure connection
5796610220		NO	Stacking valve, additional pressure connection
5796610620		NO	Stacking valve, additional pressure connection
5796615220		NO	Stacking valve, additional pressure connection
5796615270		NO	Stacking valve, additional pressure connection

Part No.	MO		Type
5796615280		NO	Stacking valve, additional pressure connection
5796615680		NO	Stacking valve, additional pressure connection
5792610210		NO	End valve
5792610220		NO	End valve
5792610620		NO	End valve
5792615220		NO	End valve
5792615270		NO	End valve
5792615280		NO	End valve
5792615680		NO	End valve

Part No.	Compressed air connection	
	Input	Output
5790610210	Ø 8x1	Ø 8x1
5790615220	Ø 8x1	Ø 8x1
5790610220	Ø 8x1	Ø 8x1
5790610620	Ø 8x1	Ø 8x1
5790615270	Ø 8x1	Ø 8x1
5790615280	Ø 8x1	Ø 8x1
5790615680	Ø 8x1	Ø 8x1
5791610210	-	Ø 8x1
5791610220	-	Ø 8x1
5791610620	-	Ø 8x1
5791615220	-	Ø 8x1
5791615270	-	Ø 8x1
5791615280	-	Ø 8x1
5791615680	-	Ø 8x1
5796610210	Ø 8x1	Ø 8x1
5796610220	Ø 8x1	Ø 8x1
5796610620	Ø 8x1	Ø 8x1
5796615220	Ø 8x1	Ø 8x1
5796615270	Ø 8x1	Ø 8x1
5796615280	Ø 8x1	Ø 8x1
5796615680	Ø 8x1	Ø 8x1
5792610210	-	Ø 8x1
5792610220	-	Ø 8x1
5792610620	-	Ø 8x1
5792615220	-	Ø 8x1
5792615270	-	Ø 8x1
5792615280	-	Ø 8x1
5792615680	-	Ø 8x1

Part No.	Operational voltage		Operational voltage
	DC	AC 50 Hz	AC 60 Hz
5790610210	12 V	-	-
5790615220	-	24 V	24 V
5790610220	24 V	-	-
5790610620	24 V	-	-
5790615270	-	110 V	110 V

Part No.	Operational voltage	Operational voltage	Operational voltage
	DC	AC 50 Hz	AC 60 Hz
5790615280	-	230 V	230 V
5790615680	-	230 V	230 V
5791610210	12 V	-	-
5791610220	24 V	-	-
5791610620	24 V	-	-
5791615220	-	24 V	24 V
5791615270	-	110 V	110 V
5791615280	-	230 V	230 V
5791615680	-	230 V	230 V
5796610210	12 V	-	-
5796610220	24 V	-	-
5796610620	24 V	-	-
5796615220	-	24 V	24 V
5796615270	-	110 V	110 V
5796615280	-	230 V	230 V
5796615680	-	230 V	230 V
5792610210	12 V	-	-
5792610220	24 V	-	-
5792610620	24 V	-	-
5792615220	-	24 V	24 V
5792615270	-	110 V	110 V
5792615280	-	230 V	230 V
5792615680	-	230 V	230 V

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
5790610210	1,6 W	-	-	-
5790615220	-	2,2 VA	1,8 VA	3 VA
5790610220	1,6 W	-	-	-
5790610620	1,7 W	-	-	-
5790615270	-	3 VA	2,4 VA	4,2 VA
5790615280	-	2,3 VA	2 VA	3,2 VA
5790615680	-	2,5 VA	2,2 VA	3,4 VA
5791610210	1,6 W	-	-	-
5791610220	1,6 W	-	-	-
5791610620	1,7 W	-	-	-
5791615220	-	2,2 VA	1,8 VA	3 VA
5791615270	-	3 VA	2,4 VA	4,2 VA
5791615280	-	2,3 VA	2 VA	3,2 VA
5791615680	-	2,5 VA	2,2 VA	3,4 VA
5796610210	1,6 W	-	-	-
5796610220	1,6 W	-	-	-
5796610620	1,7 W	-	-	-
5796615220	-	2,2 VA	1,8 VA	3 VA
5796615270	-	3 VA	2,4 VA	4,2 VA
5796615280	-	2,3 VA	2 VA	3,2 VA
5796615680	-	2,5 VA	2,2 VA	3,4 VA

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
5792610210	1,6 W	-	-	-
5792610220	1,6 W	-	-	-
5792610620	1,7 W	-	-	-
5792615220	-	2,2 VA	1,8 VA	3 VA
5792615270	-	3 VA	2,4 VA	4,2 VA
5792615280	-	2,3 VA	2 VA	3,2 VA
5792615680	-	2,5 VA	2,2 VA	3,4 VA

Part No.	Switch-on power	Pilot	LED	Protected against polarity reversal	
	AC 60 Hz				
5790610210	-	Internal	-	Protected against polarity reversal	-
5790615220	2,6 VA	Internal	-	Protected against polarity reversal	-
5790610220	-	Internal	-	Protected against polarity reversal	-
5790610620	-	Internal	Red	Protected against polarity reversal	1)
5790615270	3,4 VA	Internal	-	Protected against polarity reversal	-
5790615280	2,8 VA	Internal	-	Protected against polarity reversal	-
5790615680	3 VA	Internal	Red	Protected against polarity reversal	-
5791610210	-	Internal	-	Protected against polarity reversal	-
5791610220	-	Internal	-	Protected against polarity reversal	-
5791610620	-	Internal	Red	Protected against polarity reversal	1)
5791615220	2,6 VA	Internal	-	Protected against polarity reversal	-
5791615270	3,4 VA	Internal	-	Protected against polarity reversal	-
5791615280	2,8 VA	Internal	-	Protected against polarity reversal	-
5791615680	3 VA	Internal	Red	Protected against polarity reversal	-
5796610210	-	Internal	-	Protected against polarity reversal	-
5796610220	-	Internal	-	Protected against polarity reversal	-
5796610620	-	Internal	Red	Protected against polarity reversal	1)
5796615220	2,6 VA	Internal	-	Protected against polarity reversal	-
5796615270	3,4 VA	Internal	-	Protected against polarity reversal	-
5796615280	2,8 VA	Internal	-	Protected against polarity reversal	-
5796615680	3 VA	Internal	Red	Protected against polarity reversal	-
5792610210	-	Internal	-	Protected against polarity reversal	-
5792610220	-	Internal	-	Protected against polarity reversal	-
5792610620	-	Internal	Red	Protected against polarity reversal	1)
5792615220	2,6 VA	Internal	-	Protected against polarity reversal	-
5792615270	3,4 VA	Internal	-	Protected against polarity reversal	-
5792615280	2,8 VA	Internal	-	Protected against polarity reversal	-
5792615680	3 VA	Internal	Red	Protected against polarity reversal	-

Nominal flow  $Q_n$  at 6 bar and  $\Delta p = 1$  bar, MO = Manual override

1) With LED and protective diode for reducing voltage peaks in the solenoid coil, protected against polarity reversal

## Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).



- 2) Port 2
- 3) Port 3, exhaust air must not be throttled
- 4) Core Ø for M5
- 5) Manual override
- 6) Pocket hole 6 mm deep for 3.5 self-tapping screw
- 7) Mounting space for name plate
- 8) Coil can be rotated at 180° intervals
- 9) LED

\* Air conn. module (item IV) mounted onto stacking valve (item II) permits additional air supply from right hand side. End valve (item III) not required.

I = Inlet valve, II = Stacking valve, III = End valve

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